

Modification of Chemical Radiation Interactions and
Metabolism, by L. G. Dabholkar,
BRITISH JOURNAL OF MEDICAL SCIENCE, Vol 193,
No 5, August 1970, pp 1167-1170.

CB

March 71

Electron Microscopy Study of Winter Wheat mosaic
Virus in the Vector *Famatochix striatus* L., by
G. H. Rauschert.
BBKOLM, par, Dok. Ak. Nauk SSSR, Biol. Sci., Vol 193,
No 5, August 1970, pp 1171-1173.

CB

March 71

~~Electrochemical properties of Cyclic and Poly-cyclic Hydrocarbons, by Dr. P. Kossov.~~
~~Zhurnal, per., fiz. i khim. Moshchi,~~
~~Vol. 193, No 5, Aug 1970, pp 1174-1176.~~

(3)

July 71

Alkali-Resistant Biopolymers From the High-Molecular-Weight Of Catfish Liver (Silurus glanis L.), by M. A. Dimer.
TRANSAK, pp. 104 At. Book. SSSR. Moscow., Vol 193,
No 5, Aug 1970, pp 1177-1180.

(S)

MAP 71

Structure of the Carbohydrate Chains of Blood
Group Substances, by E. Z. Kachalov.
БИОХИМ., 1970, 52(5), 1151-1154., Vol. 193,
No 5, May 1970, pp 1151-1154.

GB

MAY 71

Isolation of the Nerves of the Central Nervous System of Human Nerve (Lipon somatic L.) By the Method of Ultracentrifugation in Polyacrylamide Gel, by V. B. Olsuf'ev.
ZHUK, per, Dokt Akad Nauk SSSR, Nauk, Vol 193, No 5, Aug 1970, pp 115-116.
G

mar. 71

~~Classification of Optical Radiation Intensities and~~

~~Cybernetics of Effective and Ineffective Strains
of Materials, by V. I. Ivanov.
ISSN 0869-5134, no. 2, 1970. 25 p., 22 cm.~~

~~CS~~

~~Mar 71~~

Peculiarities and Quantitative Prediction of
the Cumulative Accumulation of Sr⁹⁰ in
Woody Plants, by R. M. Aleksakhin.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci,
Vol 193, No 5, Aug 70, pp 1192-1194.

CB

Aug 71

Participation of Plasmatic Membrane in
the Respiration of Roots in Wheat, by
L. Kh. Gordon.
RUSSIAN, per, Dok Ak Nauk SSSR, Rct Sci.
Vol 193, No 5, Aug 70, pp 1195-1197.
CB

Aug 71

Ratio of Two Types of Chloroplasts in Maize
Leaves Under Conditions of Different
Nitrogen and Phosphorus Nutrition of the
Plants, by Yu. S. Karpilov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci,
Vol 193, No 5, Aug 70, pp 1190-1200
CB

Connection Between Structural Changes in
the Chloroplasts and the Mechanism of
Photophosphorylation, by A. D. Makarov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci,
Vol 193, No 5, Aug 70, pp 1201-1203.

CB

AUG 71

Organization of Affected Interstitial-Neuron Pathways in the Perineurial Lute of the Rabbit Cervix, by Ia. I. Andronikashvili.

Zoologicheskie issledovaniya, 1970, vol. 193, No 5, August 1970, pp 1234-1247.

(S)

March 71

The Behavior of the Energy of the Solution of
the Wave Equation in an Unbounded Region for
Large Values of the Time, by A. A. Arsen'ev.
IZVESTIYA, ser. Mat. Mekh. Svo. Sov. Mat.,
Vol 193, No 6, 1970, pp 1215-1217.
The Am Math Soc
Vol 11, No 4, Jul-Aug 1970

Jan 71

Petrjagin's Space and Convergence of the
Sobolev-Galerkin Method, by A. Goris.
ISSUEE, par. Usp. Akad. Nauk SSSR, Sov. Math.,
Vol 193, No 6, 1970, pp 1218-1221.
The Am Math Soc
Vol 11, No 4, Jul-Aug 1970

JAN 71

On a Sequence of Linear Positive Operators,
by I. I. Ibragimov.
RUSSIAN, par. Dok Akad Nauk SSSR, Sov Math,
Vol 193, No 6, 1970, pp 1222-1225.
The Am Math Soc
Vol 11, No 4, Jul-Aug 1970

Jas 71

The Existence of Weak Solutions of a Boundary
Value Problem for an Equation of Mixed Type in
Multidimensional Regions, by
G. D. Karatoprakliyev.
BULGARIA, pub, Bull Ab Math 2001, Sov Math,
Vol 193, No 6, 1970, pp 1226-1229.
The Am Math Soc
Vol 11, No 4, Jul-Aug 1970

Jax 71

On the Power of Some Classes of Graphs, by

A. D. Korshunov.

RUSSIAN, pdf, Uch. Ak. Nauk SSSR, Sov. Math.

Vol 193, No 6, 1970, pp 1230-1233.

The Am Math Soc

Vol 11, No 4, Jul-Aug 1970

Jan 71

A Study of Some Singular Integral Operators and
of the Corresponding Nonlinear Equations, by
G. M. Magomedov.

ZUSSIAM, per, Publ Akad Nauk SSSR, Sov Math,
Vol 193, No 6, 1970, pp 1234-1237.
The Am Math Soc
Vol 11, No 4, Jul-Aug 1970

Jan 71

On Infinitely Divisible Laws Having Only
Infinitely Divisible Components, by
I. V. Ostrovskiy.
TRANSLATED FROM RUSSIAN, par., Dokl Akad Nauk SSSR, Sov Math,
Vol 193, No 6, 1970, pp 1238-1240.
The Am Math Soc
Vol 11, No 4, Jul-Aug 1970

Jan 71

On Systems of Families of \mathbb{N} -Cliqued Extensions of
Eduardoff Spaces, by I. I. Perovicsko.
BESIKH, per, Dok Ak Nauk SSSR, Sov Math,
Vol 193, No 6, 1970, pp 1241-1246.
The Am Math Soc
Vol 11, No 4, Jul-Aug 1970

Jan 71

On ϵ -Numbers of Positive Operators, by
P. Ya. Sabachovskiy.
ISSIAM, per, Buk Ak Matematiki, Sov Math,
Vol 193, No 6, 1970, pp 1245-1247.
The Am Math Soc
Vol 11, No 4, Jul-Aug 1970

Jan 71

On Some Properties of R -, R^c -operations and
Projective Operations on Measurable Systems
of Sets Related to Banching Hypotheses, by

I. D. Stepina.

MOSCOW, per, Dok Ak Nauk SSSR, Sov Math,
Vol 193, No 6, 1970, pp 1249-1250.

The Am Math Soc

Vol 11, No 4, Jul-Aug 1970

Some Embedding Theorems for L_p -Classes of
Functions, by N. P. Timan.
RUSSIAN, POR, Mat. Akad. Nauk SSSR, Sov. Math.,
Vol 193, No 6, 1970, pp 1251-1254.
The Am Math Soc
Vol 11, No 4, Jul-Aug 1970

JAN 71

On Nilpotent and Superolvable Subgroups of
Finite Groups, by S. A. Osenihin.
BESCHLÄGE, per, Bek. Ak. Nauk SSSR, Sov. Math.,
Vol 193, No 6, 1970, pp 1255-1256.
The Am Math Soc
Vol 11, No 4, Jul-Aug 1970

Jan 71

Contained Explosions in Liquids and Elastic-Elastic
Media, by L. V. Al'tshuler,
JETPLA, 1970, *Zh. Akad. Nauk SSSR, Ser. Fiz.*, Vol. 193,
No 6, Aug 1970, pp 1259-1262.
The Am Inst of Phys
Vol 15, No 8, Feb 1971

March 71

The Influence of Irregularity of the Elastic Field
of a Bearing Housing on Parametric Vibrations of
Stiff Shaft, by A. S. Kel'man.
IZVESTIYA, ser., Tekhnicheskaya Sov. Fizika, Vol. 193,
No 6, Aug 1970, pp 1253-1266.
The Ann Inst of Phys
Vol 15, No 6, Feb 1971

March 71

Matter Magnetohydrodynamic Theory of the Development
of Inhomogeneities in Anisotropic Models of the
Universe with a Cosmological Magnetic Field, by
S. Sibgatullin.
IZVESTIYA, ser., fizika i matematika, Sov. fizika, Vol. 193,
No 6, Aug 1979, pp 1267-1270.
The Am Inst of Phys
Vol 15, No 6, Feb 1971

March 71

The Flux of Singly Scattered Neutrons From a Point Source in An Infinite Medium, by Ya. N. Dreskinikov,
~~UDC 537.555.72.015.5~~, Sov. J. Nucl. Phys., Sov. Phys., Vol. 193,
No. 6, Aug 1970, pp 1271-1273.
The JIN Inst of Phys.
Vol. 15, No. 8, Feb 1971

March 71

Prediction of Electron-Positron Pairs With Rescattered
Laser Irradiation of Dense Plasma, by F. V. Bunkin.
NATURE, p. 22, Oct. 1970, Sov. Phys., Vol. 193,
No. 6, Aug 1970, pp. 1274-1275.
The Am Inst of Phys.
Vol. 15, No. 8, Feb 1971

March 71

Self-Similar Wave in a Cold Plasma With a Magnetic Field, by H. A. Goldberg,
BELL, pp., Proc. Am. Acad. Sci. Phys., Vol 193,
No 6, Aug 1970, pp 1276-1279.
The Ann Inst of Phys
Vol 15, No 8, Feb 1971

March 71

Some Properties of A Solid-State Laser With a
Long Resonator, by L. N. Kondratenko.
IZVESTIYA, phys. Dokl. Russ. Acad. Sci., Vol 193,
No 6, Aug 1970, pp 1293-1294.
The Am Inst of Phys
Vol 15, No 6, Feb 1971

March 71

Sensitized Photoysis on Semiconductors As a
Principle of Long-Wave Photography, by
A. D. Sutdin-Lavrent'ev.
ZHTEK, par., Dok. Ak. Nauk SSSR Ser. Fiz., Vol. 193,
No 6, Aug 1970, pp 1283-1285.
The Am Inst of Phys
Vol 15, No 8, Feb 1971

March 71

Movement of Pores in Single Crystals of Alkali
Halides in an External Electric Field, by
Ia. E. Gogatin.
~~Journal, phys., Dokl. Akad. Nauk SSSR, Sov. Phys.~~, Vol. 193,
No 6, Aug 1970, pp 1235-1239.
The Am Inst of Phys
Vol 15, No 8, Feb 1971

March 71

On the Epitaxial Growth of Diamond From Gas, by
B. V. Pudovkin.
PHYSICAL REVIEWS OF SOLIDS, Sov. Phys., Vol 193,
No 6, Aug 1970, pp 1290-1292.
The Am Inst of Phys
Vol 15, No 8, Feb 1971

March 71

Crystalline Structure of Monoclinic Modification
of K₂ZrSi₃O₇, by A. N. Chernova
RUSSIAN, per, Dok Akad Nauk SSSR, Sov Phys, Vol 193,
No 6, Aug 1970, pp 1293-1296.
The Am Inst of Phys
Vol 15, No 8, Feb 1971

March 71

Potentiometric Investigation of
Heterogeneous Amalgams, by A. I.
Zebreva.

RUSSIAN, per, Dok Ak Nauk, SSSR,
Phys. Chem.
Vol. 193, No. 6, August 1970,
pp1326-1328.

CB

Mar 71

New Method for Preparing Aromatic
Fluorine-Containing Compounds. Anodic
Substitution of Hydrogen by Fluorine,
by I. N. Rozhkov.

RUSSIAN, per, Akademiya Nauk SSSR,
Doklady, Vol 193, 1970, pp 1322-1325. No 6
NTC 72-10157-07C

AEC BNL - Tr 434 - 8PP
NTC 72-10441-07C

Apr 72

Use of the Kinetic Isotopic Method
to Study the Rates of Interconversions
of the Products of Oxidation of n-Decane,
by M. N. Manakow.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys.
Chem.

Vol. 193, No. 6, August 1970, pp. 1329-
1331.

CB

Mar 71

Dissociation Constants of Leucoalizarin S
(Spectrophotometric Determination), by
Academician B. P. Nikol'skii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys.
Chem,
Vol. 193, No. 6, August 1970, pp. 1332-
1334.
CB

Mar 71

Principles of the Isomerization of Butenes
in Free-Anion Systems, by E. L. Vollerstein.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech,
Vol 193, No 6, Aug 70, pp 1335-1337.
CB

Aug 71

Kinetics of the Desulfurization of Cast Iron,
by V. N. Zelenov.

RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech,
Vol 193, No 6, Aug 70, pp 1338-1340.

CB

Aug 71

Application of Adsorption-Active Media in
Surface Plastic Deformation for Increasing
the Contact Endurance of Tempered Steels,
by K. B. Kitaev.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech,
Vol 193, No 6, Aug 70, pp 1341-1343.
CB

Aug 71

Study of the Hydration of Tricalcium
Aluminate on the Surface and in the Volume
of the Sample by X-Ray Diffraction, by
M. A. Srochkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech,
Vol 193, No 6, Aug 70, pp 1344-1347.

CB

The Hyperborean of the Aynov Islands,
Barents Sea, by Yu. R. Bekker.
RUSSIAN, per, Dok Ak Nauk SSSR, Kar Sci,
Vol 193, No 6, 1970, pp 1349-1352.
AGI

Aug 71

Geotectonic Evolution of the Bashkir Part
of the Ural Region in the Late Paleozoic,
by V. S. Golubev.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci.,
Vol 193, No 6, 1970, pp 1353-1355.

AGI

Aug 71

New Data on the Geology of Alkalic Ultramafic
and Carbonatite Plutons of the Turiy
Peninsula (Kola Peninsula), by
D. N. Dmitriyev.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci,
Vol 193, No 6, 1970, pp 1356-1359.
AGI

Aug 71

Correlation of the Middle Devonian of the
Siberian Platform, by Vl. Vl. Menner,
RUSSIAN, per, Dek Ak Nauk SSSR, Earth Sci,
Vol 193, No 6, 1970, pp 1360-1383,
AGI

New Potential Offshore Oil and Gas Areas,
by V. B. Olenin.
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,
Vol 193, No 6, 1970, pp 1364-1367.
AGI

Aug 71

Sedimentation Breaks in the Famennian
Interevaporite Sequences of Carbonate Rocks
in the Pripyat Trough, by I. I. Ur'yev.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci,
Vol 193, No 6, 1970, pp 1368-1370.

AGY

Aug 71

Finding Parameters Which Carry Information
for Purposes of Classification by Means
of a Linear Discriminant Function, by
A. M. Shurygin.
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci,
Vol 193, No 6, 1970, pp 1371-1373.
AGI

Aug 71

Finds of Microspores in Primary Kaolin in
the Northwestern Part of the Ukrainian
Shield, by M. D. El'yanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci,
Vol 193, No 6, 1970, pp 1374-1375.
AGI

Aug 71

Composition of Basalts From Different Stages
of the Tectonomagnetic Cycle of Western
Kamchatka, by V. K. Rotman.
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci,
Vol 193, No 6, 1970, pp 1376-1379.
ACI

Mixed-Layer Forms in Cretaceous Clayey
Rocks From the Northeastern and Eastern
Lesser Caucasus, by V. P. Almaya.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci,
Vol 193, No 6, 1970, pp 1360-1363.
AGI

Aug 71

Vanadium-Bearing Phthanite in the
Chulaktau Suite of the Lesser Karatau,
by V. N. Kholodov.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci,
Vol 193, No 6, 1970, pp 1384-1387.
AGI

Background and Anomalous Chloride and
Sulfate Ratios in Atmospheric Precipitation,
by L. I. Piskunov.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci,
Vol 193, no 6, 1970, pp 1506-1591.
AGI

Aug 71

Heterogeneity of the Upper Mantle, by
N. N. Sereadskikh,
RUSSIAN, per, Dok Ak Nauk SSSR, Fiz Sci,
Vol 193, No 6, 1970, pp 1392-1395.
Av1

Aug 71

Stereoscopic Organization of Oligopeptide Biosynthesis in Light of Concepts of the Evolution of Metabolism, by A. A. Argaman.
BIOCHEM., part. B, J. Bact. 222, Biol. Sci., Vol. 193,
No. 6, August 1970, pp. 1397-1399.
CS

March 71

Influence of Urethane and Cortisone On Cervicogenesis in Long-Evans Rats in Mice, by Academician
N. V. Turbin.
MOSCOW, 1970, Dok. Ak. Nauk SSSR, Biol. Sci., Vol 193,
No 6, August 1970, pp 1400-1401.
CB

March 71

A Generalized Model of Ion Transport Through
Artificial Phospholipid Membranes, by S. N.
Mits'yan.
BIOCHIM. PER., BIK. 57, 1978, NO. 10,
Vol. 193, No. 6, Aug. 1978, pp. 142-145.
CB

July 71

Mechanism of Radiation-stimulating Effect of I-
Radioiodide, by A. G. Schwartz.
ENR, par, Ed. D. Park, M.D., Boston.,
Vol 193, No 6, Aug 1970, pp 140-145.

OS

July 71

Exchange Between Labelled Prostaglandins and Chondroitin Sulphate of the Cartilage of Vitamin A Deficient Chickens, by E. H. Waldbillig.
Zoologische, pcr., Zeit für Physiologie, Berlin, Vol 193,
No 6, Aug 1970, pp 1401-1410.

CB.

MAR 71

Alterations in the Primary Structure of Proteins
Synthesized Under Conditions of Altered Physiolo-
gical State of the Organism, by Academician
L. F. Olyi.
~~Biokhimiya~~, year, ~~Biochim. SSSR~~, Moscow, Vol 193,
No 6, Aug 1970, pp 1411-1414.
CB

mar 71

*Effect of Detergent Agents on the Photochemical
Properties of Phycoerythrin and Phycocyanin, by
A. A. Krasnovskii.
BIOCHIM. J., part B, By A. A. Krasnovskii, No. 6, Aug 1970, pp 1415-1416.*

OB

MAP 71

Distribution of Carbon From the Substrates
 $C^{14}CO_2$ and $C^{14}H_2O$ In Acetate Synthesized By
Suspensions of *Methanococcus vannielii* Cells,
by E. S. Pasterkova.

Biophys. Rev., Vol. 22, No. 2, 1970, pp 1419-1421.

OS

NTC 72-12091-07C

mar 71

Abstract of 5-Methyltryptamine in the Fructans of
Molophilus Flavipes, Existing in their Endocytotic
Compartment, by G.J. Salazar,
Brazilian, 1972, Int J Biol Macromol., Vol 193,
No 6, August, 1970, p 1485-1485.

cc

Feb 71

Age Peculiarities of Regulation of Inductive Synthesis of Liver Tyrosine Aminotransferase, by V. V. Praktis and L. G. Koval'chik.
BIOCHEM., ser. Bk. A. Nauk SSSR. Moscow, Vol. 193,
No 6, Aug 1970, pp 1420-1423.

GB

202 71

Influence of Kinatin on the Formation of
Active Protochlorophyllide in Green and
Pest-Etiolated Leaves of Wheat, by

A. A. Shlyk.

RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci,
Vol 193, No 6, Aug 70, pp 1429-1432.

CB

Aug 71

Structure of the System of Medullary Respiratory
Neurons, by I. A. Zelen-Shegurova.
Biul. psich. Dok. Akad. Nauk SSSR. Biol. Sci., Vol. 193,
No 6, August 1970, pp 143-145.

CB

March 71

Distribution of Catecholamines in the Regions of
The Hypothalamic-Pituitary-Neurosecretory System
of the Frog, by N. S. Konstantinova.
BIOLOGIA, pdf, Dok. Akad. Nauk SSSR, Biol. Sci., Vol. 193,
No 6, August 1970, pp 1437-1450.

CB

March 71

On the Expansion of a Function From the Class B_p^{α}, θ
in a Fourier Series of Functions From an
Arbitrary Fundamental System For a Laplacian
Operator, by S. A. Alimov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 1, 1970, pp 9-11.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Some Aspects of the Theory of Extremal Problems for
Univalent Functions of Class S, by K. I. Babenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 19,
No 1, 1970, pp 12-15.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Approximate Solution of Nonlinear Equations as a
Control Process, by B. A. Vertgeim.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 1, 1970, pp 16-19.
The Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

The Method of Functionals as Applied to Problems of
the Zolotarev-Przeborski Type, by Ye. V. Voronovskaja.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 1, 1970, pp 20-23.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Conformal Invariance and Huygens' Principle, by
N. H. Ibragimov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 1, 1970, pp 24-27.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Normal Classes of Smooth Immersions and Embeddings,
by B. D. Mal'yi.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 1, 1970, pp 28-30.

Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Multidimensional Analog of the Darboux Problem for
Hyperbolic Equations, by A. M. Naimusev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 1, 1970, pp 31-34.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Prognosis and Filtration of Functionals of the
Solutions of Nonlinear Differential Equations with
Random Coefficients, by A. D. Satasvili.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 1, 1970, pp. 35-37.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Conditions Under Which Euler's Method
Can Be Used to Investigate the Stability
Under Deformation of Nonlinear Elastic
Bodies Subject to Finite Subcritical
Deformations, by A. N. Guz'.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 1, Sept 70, pp 36-40
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

A Model of the Interaction of the Solar
Wind With the Interstellar Medium, by
V. B. Baranov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 1, Sep 70, pp 41-44.
The Am Inst of Phys
Vol 15, No 9, Mar 71
Nasa TT F-13, 820
NTC 72-10799-03B

Apr 71

The Origin of $\alpha\gamma$ Lines in Supernova
Spectra, by V. G. Gorbatyuk,
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 1, Sep 70, pp 45-46.
The Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Effect of Thermal Conductivity on the
Propagation of the Absorption Wave of
Laser Radiation, by P. P. Velosevich.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.
Vol 194, No 1, Sep 70, pp 49-52
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Some Results of Studying the Passage of
Radio Waves Through the Domain of an
Explosion, by V. A. Vel'min,
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 1, Sep 70, pp 53-54
Am Inst of Phys
Vol 15, No 9, Mar 71

Apx 71

Measurement of Electric Fields in a Tur-
bulent Plasma by the Stark Broadening of
the Spectral Lines in Hydrogen, by
E. K. Zavoiskii,
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 1, Sep 70, pp 55-58
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Gamma-Magnetic Resonance in a Single-Domain Ferromagnet, by A. V. Mitin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 19 $\frac{1}{2}$, No 1, Sep 70, pp 59-61
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Classification of the Curvature Tensor
by Means of Principal Congruences, by
R. F. Poliashchuk.
RUSSIAN, par, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 1, Sep 70, pp 62-65
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Dispersion Equation for a Ground-State
Hydrogen Atom, by M. I. Chibisov,
RUSSIAN, per, Dok Ak Nauk BSSR, Sov Phys,
Vol 194, No 1, Sep 70, pp 56-69
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Saturation of Steel With Carbon by the
Action of Impact Waves, by I. N. Gryaznov,
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 19⁴, No 1, Sep 70, pp 70-72
Am Inst of Phys
Vol 15, No 9, Mar 71

Solution of an Integral Equation for the
Potential in a Narrow, Strongly Radiating
Slot, by P. Sh. Fridberg.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 1, Sep 70, pp 73-76
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Crystal Structure of the Synthetic
Barium Silicate Ba₅(Si₄O₁₂)(OH)₂, by
O. S. Filipenko.
RUSSIAN, per, Dek Ak Nauk SSSR, Sov Phys,
Vol 194, No 1, Sep 70, pp 63-66
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Study of the Structure of Glasses of the
System $RO-Al_2O_3-B_2O_3-SiO_2$, by A. M.
Shevyakov.

RUSSIAN, per, Dok Ak Nauk BSSR, Sov Phys,
Vol 194, No 1, Sep 70, pp 57-60.

Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Preliminary Evaluation of the Chemical
Reactivity of Bisphenols, by
D. A. Bochvar.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 1, Sep 70, pp 119-121.
CB

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Vol 194, No 1, Sep 70, pp 122-125.

CB

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the Angular Correlation Method, by
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Complexes, by O. A. Lobanova,
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CB

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Jun 71

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KINETICS OF COMBUSTION DURING THE HIGH
TEMPERATURE OXIDATION OF NITROUS OXIDE IN
SHOCK WAVES

SOLOUKHIN R I

UR: AN SSSR, DOKLADY, VOL 194, ISSUE 1, 1970

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*In process as**115-23-71-0810**Negative
negative*

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Waves, by R. I. Soloukhin.
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CB

Jun 71

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RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech,
Vol 194, No 1, Sep 70, pp 147-148.

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